Trigonometry and Scale Diagrams — Practice Test

Prince Edward Island Apprenticeship and Workplace Mathematics 11 • 10 questions

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A scale diagram uses a scale of 1 to 25. A line drawn 6 centimetres long represents a real length of how many centimetres**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A right triangle has legs 8 metres and 15 metres. What is the length of the hypotenuse in metres**

ANSWER _____

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3 **Similar triangles have corresponding angles that are**

A supplementary

B different

C equal

D right angles

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4 **The angle of depression is measured from the**

A vertical upward

B horizontal downward

C ground only

D hypotenuse

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5 **The angle of elevation is measured from the**

A horizontal upward

B vertical downward

C ground only

D hypotenuse

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6 **The hypotenuse is always the side**

A adjacent to the right angle

B shortest

C opposite the right angle

D vertical

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7 **The sine of an angle can never exceed**

- A 0
- B 1
- C 2
- D 10

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8 **To find a missing side using sine, you need an angle and**

- A the area
- B the perimeter
- C one other side
- D two angles only

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9 **Trigonometry in a right triangle relates angles to**

- A areas only
- B ratios of sides
- C perimeters only
- D volumes

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10 **A scale diagram uses a scale of 1 to 200. A line drawn 2 centimetres long represents a real length of how many centimetres**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	150	**5.**	A	**9.**	B
2.	17	**6.**	C	**10.**	400
3.	C	**7.**	B		
4.	B	**8.**	C		

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